

# **Historic, Archive Document**

Do not assume content reflects current  
scientific knowledge, policies, or practices.



Reserve

1.96

R31 Feb

# Water Supply Outlook For Nevada

U.S. DEPT. OF AGRICULTURE  
NATIONAL LIBRARY

MAR 24 '82



SOIL CONSERVATION SERVICE  
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

NEVADA DEPARTMENT of CONSERVATION  
AND NATURAL RESOURCES  
DIVISION OF WATER RESOURCES

AS OF  
Feb. 1, 1982

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*COVER PHOTO:* LONE CONE, NEAR NORWOOD, COLORADO, BLANKETED BY  
ITS WINTER MANTLE OF SNOW.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.





# **WATER SUPPLY OUTLOOK FOR NEVADA**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

NORMAN A. BERG  
ADMINISTRATOR  
SOIL CONSERVATION SERVICE  
WASHINGTON, D. C.

|||||  
*Released by*

GERALD THOLA  
STATE CONSERVATIONIST  
SOIL CONSERVATION SERVICE  
RENO, NEVADA

*In Cooperation with*

ROLAND D. WESTERGARD  
DIRECTOR  
DEPARTMENT OF CONSERVATION AND  
NATURAL RESOURCES  
CARSON CITY, NEVADA  
|||||

*Report prepared by*

SNOW SURVEY AND WATER SUPPLY FORECAST UNIT  
Soil Conservation Service  
P.O. Box 4850  
Reno, Nevada

## TABLE OF CONTENTS

WATER SUPPLY OUTLOOK FOR NEVADA . . . . .	1-2
PROSPECTIVE WATER SUPPLY FOR NEVADA (Map) . . . . .	3
INDEX OF NEVADA SNOW COURSES (By Basins). . . . .	4
WINTER SNOWPACK . . . . .	5
NEVADA STREAMFLOW FORECASTS . . . . .	6
RESERVOIR STORAGE . . . . .	7
SATELLITE SNOW COVER MAP	
TAHOE-TRUCKEE, CARSON AND WALKER BASINS. . . . .	8
HUMBOLDT RIVER ABOVE COMUS, NEVADA. . . . .	9
SNOW COURSE MEASUREMENTS. . . . .	10-13
PRECIPITATION MEASUREMENTS . . . . .	14-15
SNOTEL MEASUREMENTS	
WARD CREEK #3 and MT. ROSE SKI AREA . . . . .	16
EBBETTS PASS and SONORA PASS BRIDGE . . . . .	17
MARLETTE LAKE and LAMOILLE #3 . . . . .	18
DORSEY BASIN and JACK CREEK, UPPER. . . . .	19
LIST OF COOPERATORS. . . . .	Inside Back Cover

All averages are for 1963-77 period.

# WATER SUPPLY OUTLOOK FOR NEVADA

\*\*\*\*\*  
\*  
\* PROSPECTS ARE FOR A GOOD WATER SUPPLY THIS SEASON. SNOW MEASURE- \*  
\* MENTS INDICATE THE SNOWPACK WATER CONTENT RANGES FROM 125 PERCENT \*  
\* OF AVERAGE IN THE TAHOE AND TRUCKEE BASINS TO 145 PERCENT IN CARSON \*  
\* BASIN AND 155 PERCENT IN THE WALKER BASIN. THE SNOWPACK IN THE \*  
\* HUMBOLDT IS 145 PERCENT OF THE FEBRUARY 1 AVERAGE, THE SNAKE IS 150 \*  
\* PERCENT AND THE OWYHEE IS 160 PERCENT. 1982 MEASUREMENTS IN THE \*  
\* SIERRA ARE SLIGHTLY LESS THAN THE FEBRUARY 1, 1978 READINGS, 85 PER- \*  
\* CENT OF 1971, AND 60 PERCENT OF 1969. RESERVOIR STORAGE IMPROVED \*  
\* DURING THE MONTH WITH THE SEVEN MAJOR RESERVOIRS NOW TOTALLING \*  
\* 804,000 ACRE FEET, WHICH IS 91 PERCENT OF AVERAGE AND 57 PERCENT OF \*  
\* CAPACITY. THIS IS THE LARGEST AMOUNT ON FEBRUARY 1 SINCE 1976 WHEN \*  
\* THE TOTAL WAS 1,015,000 ACRE FEET. \*  
\*  
\*\*\*\*\*

## SIERRA EAST SLOPE

Above average snowfall occurred during the month. Snow measurements this month as compared to the average February 1 indicates 125 percent of average in Tahoe and Truckee Basin, 145 percent in the Carson Basin, and 155 percent in Walker Basin. Some snow courses have below average snow water but large amounts of total precipitation as shown on the Ward Creek chart, page 16. The higher elevation sites have a higher percentage of average snow water, due to the precipitation coming as snow rather than as rain, as shown in the Mt. Rose Ski Area chart, page 16. Precipitation from October 1 to February 1 exceeds 200 percent on most sites.

Snowpack accumulations are much higher than at this time last year, ranging from 210 percent on the Carson Basin and 225 percent on the Tahoe and Truckee Basin to 245 percent on the Walker Basin. Representative snowpack and precipitation accumulations on Ebbetts Pass and Sonora Pass Bridge are shown on page 17.

Reservoir storage is improving. Lake Tahoe now contains 434,000 acre feet, which is 91 percent of the February 1 average. This is the largest amount for this time of year since February 1, 1976. Lahontan Reservoir contains 201,000 acre feet (95 percent of average), and Topaz and Bridgeport Reservoirs contain 33,000 acre feet and 21,000 acre feet, respectively.

## HUMBOLDT BASIN

Snow measurements indicate the water contents of the snowpack in the Upper Humboldt to be 145 percent of the February 1 average and 305 percent of last year. The Lower Humboldt is 170 percent of average and 320 percent of last year.

Lamoille #5 snow course had a depth of 81 inches with 28.6 inches of water for the largest amount of water since February 1, 1956, and is above the April 1 average of 26.9 inches. Representative snowpack and precipitation accumulations are shown for Lamoille #3, page 18, and Dorsey Basin, page 19.

Snow cover maps on the Humboldt Above Comus gaging station have indicated nearly 100 percent snow cover during the month, except on January 30, 1982, when it decreased to 88 percent.

Rye Patch Reservoir now contains 58,000 acre feet as compared to last year's 159,000 acre feet.

## SNAKE and OWYHEE BASINS

Snow measurements in the Snake River indicate the snowpack water content is 150 percent of average and 275 percent of last year. The Owyhee snowpack is 160 percent of average and 420 percent of last year. Many snow courses have the largest snowpack since February 1, 1972. Big Bend has a depth of 37 inches with 10.0 inches of water, compared to a depth of 44 inches and a water content of 12.7 inches in 1972. The snow water and precipitation data for Upper Jack Creek are shown on a chart on page 19.

Wild Horse Reservoir now contains 25,000 acre feet as compared to 49,000 acre feet last year. The capacity is 72,000 acre feet.

## NORTHERN GREAT BASIN

Snow measurements in this basin indicate the snowpack is 135 percent of average and 285 percent of last year.

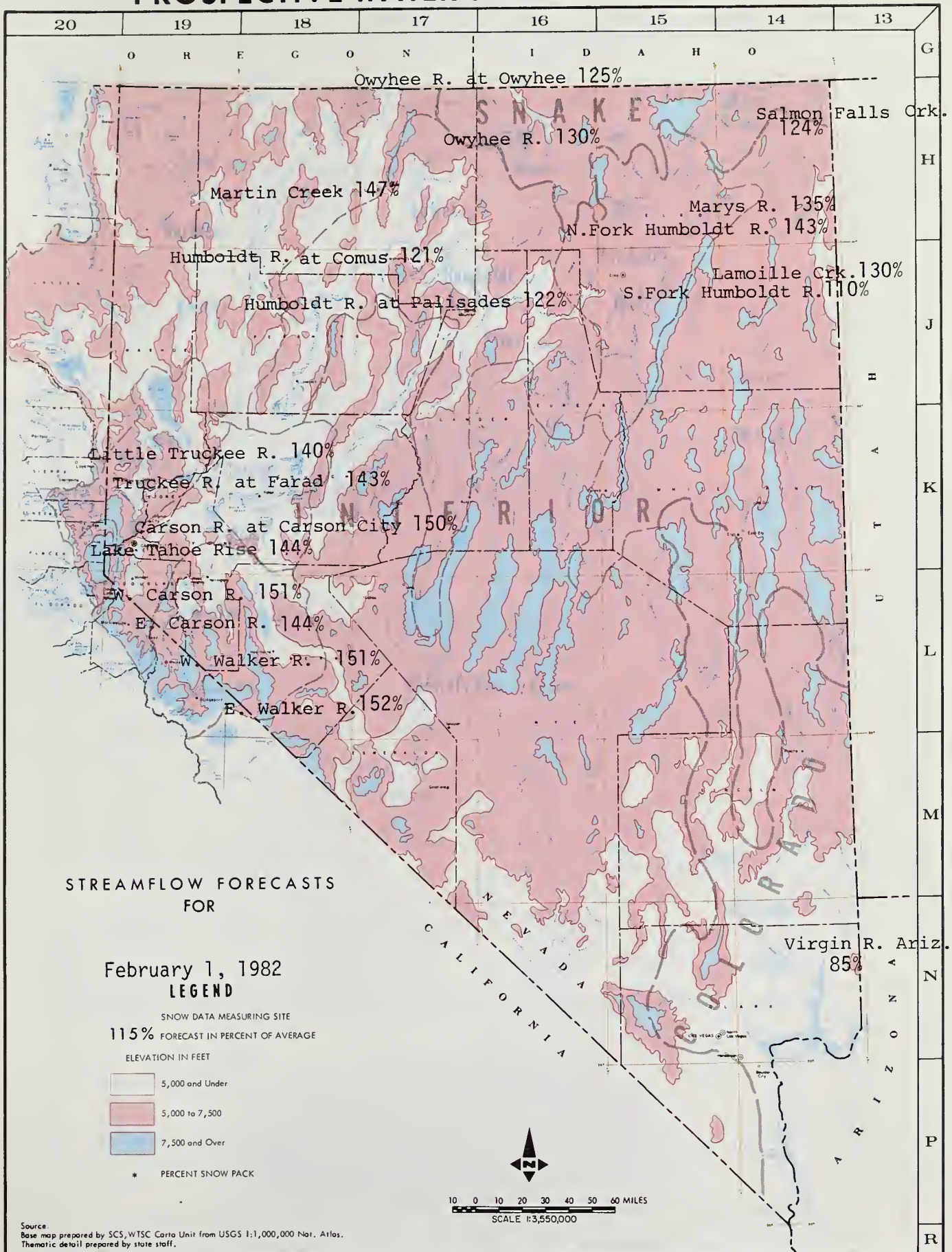
Cedar Pass precipitation accumulated since October 1 totals nearly 25.0 inches and Dismal Swamp nearly 40.0 inches.

## EASTERN and SOUTHERN NEVADA

Only a limited number of snow measurements were taken in these areas but they indicate above average snowpacks. Next month, all the sites will be measured to give a more complete analysis.



# PROSPECTIVE WATER SUPPLY FOR NEVADA



# INDEX TO NEVADA SNOW COURSES (By Basins)

Refer to the map on the preceeding page for Snow Course locations.

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
--------	------	------	------	------	-------

## SNAKE RIVER BASIN

SNAKE RIVER					
15H015A	Bear Creek	31	46N	58E	7800
15H02	Fox Creek	33	46N	58E	6800
15H135A	Goat Creek	31	46N	60E	8800
15H15A	Hummingbird Springs	6	45N	60E	8945
15H20a	Merritt Mountain	10	46N	54E	7300
15H145	Pole Creek Ranger Station	13	46N	59E	8330
15H18a	Red Point	15	47N	61E	7940
15H035A	Seventy Six Creek	6	44N	58E	7100
15H19a	5 tag Mountain	32	41N	58E	7800

## OWYHEE RIVER

15H045	Big Bend	30	45N	56E	6700
15H06a	Columbia Basin	31	44N	53E	6650
16H09a	Fawn Creek	2	45N	52E	7000
16H135	Fawn Creek #2	2	45N	52E	7050
15H05	Gold Creek	32	45N	56E	6600
16H01	Jack Creek, Lower	18	42N	53E	6300
16H02A	Jack Creek, Upper	9	42N	53E	7250
16H095	Jack Creek #2, Upper	9	42N	53E	7250
16H045	Jacks Peak	21	42N	53E	8420
16H055	Laurel Draw	20	45N	53E	6700
17G04a	Louse Canyon (OR)	27	40S	44E	6440
15H095	Taylor Canyon	35	39N	53E	6200

## INTERIOR

### UPPER HUMBOLDT RIVER

15J17a	American Beauty	32	31N	58E	7800
15J125A	Corral Canyon	27	28N	57E	8500
15J015	Dorsey Basin	28	35N	60E	8100
15J03	Dry Creek	5	34N	60E	6500
15H07P	Fry Canyon	31	43N	54E	6700
15J095	Green Mountain	23	29N	57E	8000
15J10	Harrison Pass #1	9	28N	57E	6600
15J11	Harrison Pass #2	16	28N	57E	7400
15J04	Lamoille #1	15	32N	58E	7100
15J065	Lamoille #3	24	32N	58E	7700
15J08	Lamoille #5	31	32N	59E	8700
15J20	Pole Canyon #2	6	34N	61E	7700
15J16a	Robinson Lake	23	33N	59E	9200
15H06P	Rodeo Flat	36	43N	53E	6800
15J02	Ryan Ranch	1	34N	59E	5800
15J19	Smith Creek	26	30N	57E	7600
15J22a	Tent Mountain, Lower	26	36N	60E	7000
15J23a	Tent Mountain, Upper	35	36N	60E	8350
15H08	Treneman Ranch	9	39N	55E	5700
15H10P	Trout Creek, Lower	28	37N	61E	6900
15H11A	Trout Creek, Upper	4	36N	61E	8500

### LOWER HUMBOLDT RIVER

17K01	Big Creek Campground	10	17N	43E	6600
17K02	Big Creek Mine	23	17N	43E	7600
17K04S	Big Creek Summit	35	17N	43E	8700
17K03	Big Creek, Upper	26	17N	43N	7800
17H02A5	Buckskin, Lower	25	45N	39E	6700
17H01A	Buckskin, Upper	11	45N	39E	8200
17L01	Corral, Lower	12	11N	40E	7500
17L02	Corral, Upper	20	11N	41E	8000
17J02	Golconda #2	22	35N	39E	6000
17H045A	Granite Peak	22	44N	39E	7800
17H055A	Lamance Creek	13	42N	38E	6000
17H03AP	Martin Creek	13	44N	38E	6700
16H03AP	Midas	18	39N	46E	7200
16H07a	Toe Jam	29	40N	50E	7700

## EASTERN NEVADA

14L01	Baker #1	29	13N	69E	7950
14L02	Baker #2	30	13N	69E	8950
14L03	Baker #3	25	13N	68E	9250
14K025A	Berry Creek	26	17N	65E	9100
14K01	Bird Creek	34	19N	65E	7500
14K09a	Defiance Mines	9	14N	63N	9200
15J155A	Hole-In-Mountain	6	35N	61E	7900
14K09	Kalamazoo Creek	34	20N	65E	7400
14K03	Murray Summit	25	16N	62E	7250
15K01	Robinson Summit	34	18N	61E	7600
14K07	Silver Creek #2	30	16N	69E	8000
14K055A	Ward Mountain #2	25	15N	62E	9200

## CENTRAL GREAT BASIN

18M02	Campito Mountain (CA)	19	5S	35E	10200
18M05a	Chiatovich Flat (CA)	32	2S	34E	10500
15N02	Clark Canyon	8	19S	56E	9000
18M01	Montgomery Pass	4	1N	33E	7100
18M03a	Pinchot Creek (CA)	28	1N	33E	6300
18M04a	Piute Pass (CA)	33	4S	33E	11700
15N01	Trough Springs	23	18S	55E	8500

## NORTHERN GREAT BASIN

19H01a	Bald Mountain	17	45N	21E	6720
20H05	Barber Creek (CA)	23	39N	16E	6500
20H06S	Cedar Pass (CA)	12	43N	14E	7100
18G06a	Oenio Creek (OR)	14	41S	34E	6000
18H015A	Disaster Peak	8	47N	34E	6500
20H03a	Oismal Swamp (CA)	31	48N	17E	7000
20H115	Oismal Swamp #2 (CA)	31	48N	17E	7050
20H07	Eagle Peak (CA)	35	40N	15E	7200
19H03P	49 Mountain	7	42N	19E	6000
19H02	Hays Canyon	1	39N	18E	6400
19H04a	Little Bally Mountain	8	45N	19E	6000
20H09P	Mt. Bidwell (CA)	6	47N	16E	7200
20H10	North Star (CA)	13	47N	16E	6200
17G05a	Oregon Canyon (OR)	9	40S	40E	7240
17H06a	Quinn Ridge	9	47N	41E	6300
20H04	Reservation Creek (CA)	12	46N	15E	5900
18G05a	Trout Creek (OR)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
--------	------	------	------	------	-------

## LAKE TAHOE

20L06S	Echo Peak (CA)	35	12N	17E	7800
20L05	Echo Summit (CA)	6	11N	18E	7450
20L105	Fallen Leaf (CA)	3	13N	17E	6300
19L02	Freel Bench (CA)	36	12N	18E	7300
19K06	Glenbrook #2	13	14N	18E	6900
19L035	Hagan's Meadow (CA)	36	12N	18E	8000
19L245	Heavenly Valley (CA)	1	12N	18E	8850
20L04	Lake Lucille (CA)	28	12N	17E	8200
19K045	Marlette Lake	18	15N	19E	8000
20L03	Richardsons #2 (CA)	6	12N	18E	6500
20L01	Rubicon #1 (CA)	6	13N	17E	8100
20L025	Rubicon #2 (CA)	6	13N	17E	7500
20K16	Tahoe City (CA)	6	15N	17E	6250
20K275	Tahoe City Cross (CA)	1	15N	16E	6750
19L01	Upper Truckee (CA)	21	12N	18E	6400
20K17	Ward Creek #2 (CA)	21	15N	16E	7000
20K255	Ward Creek #3 (CA)	21	15N	16E	6750

## TRUCKEE RIVER

20K14	Boca #2 (CA)	28	18N	17E	5900
20K22	Brockway Summit (CA)	3	17N	16E	7100
20K28	Castle Creek (CA)	23	17N	14E	7400
20K21	Donner Park #2 (CA)	18	17N	16E	6000
20K10	Donner Summit (CA)	25	17N	14E	6900
20K07*	Fordyce Lake (CA)	34	18N	13E	6500
20K08*	Furnace Flat (CA)	10	17N	13E	6700
20K045	Independence Camp (CA)	34	19N	15E	7000
20K035	Independence Creek (CA)	14	19N	15E	6500
20K055	Independence Lake (CA)	9	18N	15E	8450
19K03	Little Valley	17	16N	19E	6300
20K025	Mt. Rose	7	17N	19E	9000
19K075	Mt. Rose Ski Area	30	17N	19E	9000
20K06	Sage Hen Creek (CA)	7	18N	16E	6500
20K19	Squaw Valley #2 (CA)	6	15N	16E	7500
20K305	Squaw Valley Gold Coast (CA)	36	16N	15E	8200
20K135	Truckee #2 (CA)	22	17N	16E	6400
20K02*	Webber Lake (CA)	29	19N	14E	7000
20K01*	Webber Peak (CA)	30	19N	14E	8000

## CARSON RIVER

19L055	Blue Lakes (CA)	30	9N	19E	8000
19L04	Carson Pass, Upper (CA)	22	10N	18E	8600
19K05	Clear Creek	6	14N	19E	7300
19L19A	Ebbetts Pass (CA)	17	8N	20E	8700
19L325	Ebbetts Pass #2 (CA)	17	8N	20E	8700
19L16a	Fish Valley, Upper (CA)	1	7N	22E	8050
19L40A	Monitor Pass (CA)	31	9N	21E	8350
19L16a	Fish Valley, Upper (CA)	1	7N	22E	8050
19L065A	Poison Flat (CA)	25	8N	21E	7900
19L395	Spratt Creek (CA)	31	10N	20E	6100
19L315	Wet Meadows #2 (CA)	26	9N	19E	8100
19L18a	Wet Meadows Lake (CA)	26	9N	19E	8050
19L20a	Wolf Creek (CA)	35	8N	20E	8000

## WALKER RIVER

19L11	Buckeye Forks (CA)	20	4N	23E	8500
19L10	Buckeye Roughs (CA)	15	4N	23E	7900
19L12	Center Mountain (CA)	4	3N	23E	9400
19L30A	Center Mountain (CA)	4	3N	23E	9400
19L085	Leavitt Lake (CA)	13	5N	21E	9400
19L33	Leavitt Meadows (CA)	4	5N	21E	7200
19L175A	Lodell Lake (CA)	20	7N	24E	9200
19L34	Sawmill Ridge (CA)	17	3N	24E	8750
19L07	Sonora Pass (CA)	1	5N	21E	8800
19L235	Sonora Pass Bridge (CA)	6	5N	22E	8800
19M01*	Tioga Pass (CA)	30	1N	25E	9900
19L13	Virginia Lakes (CA)	5	2N	25E	9500
19L225	Virginia Lakes Ridge (CA)	32	2N	25E	9200
19L09	Willow Flat (CA)	21	5N	23E	8250

## COLORADO

### LOWER COLORADO RIVER

15L02a	Corduroy Flat	14	13N	58E	8720
14M04a	Ella Mountain	35	5S	67E	7050
15N05	Kyle Canyon	26	19S	56E	8200
15N03	Lee Canyon #2	9	19S	56E	9000
15N08	Lee Canyon #3	10	19S	56E	8500
14M01a	Mathew Canyon	10	5S	70E	6000
14L04a	Mt. Wilson	27	5N	68E	8050
14M02a	Pine Canyon	23	6S	69E	6200
15N07	Rainbow Canyon #2	6	20S	57E	8100
15L01	White River #1	31	13N	59E	7400
15L03a	White River	31	13N	59E	7440

## LEGEND

### NUMBERING SYSTEM (EXAMPLE)

19K04	Snow Course Only
19K04S	Snow Course with SNOTEL
19K04A	Snow Course and Aerial Marker
19K04P	Snow Course and Storage Precipitation Gage

Lower case letter "a" indicates no snow course, only an Aerial Marker.  
SNOTEL has telemetered data for snow pillow, precipitation gage, and temperature. \* Adjacent basin.



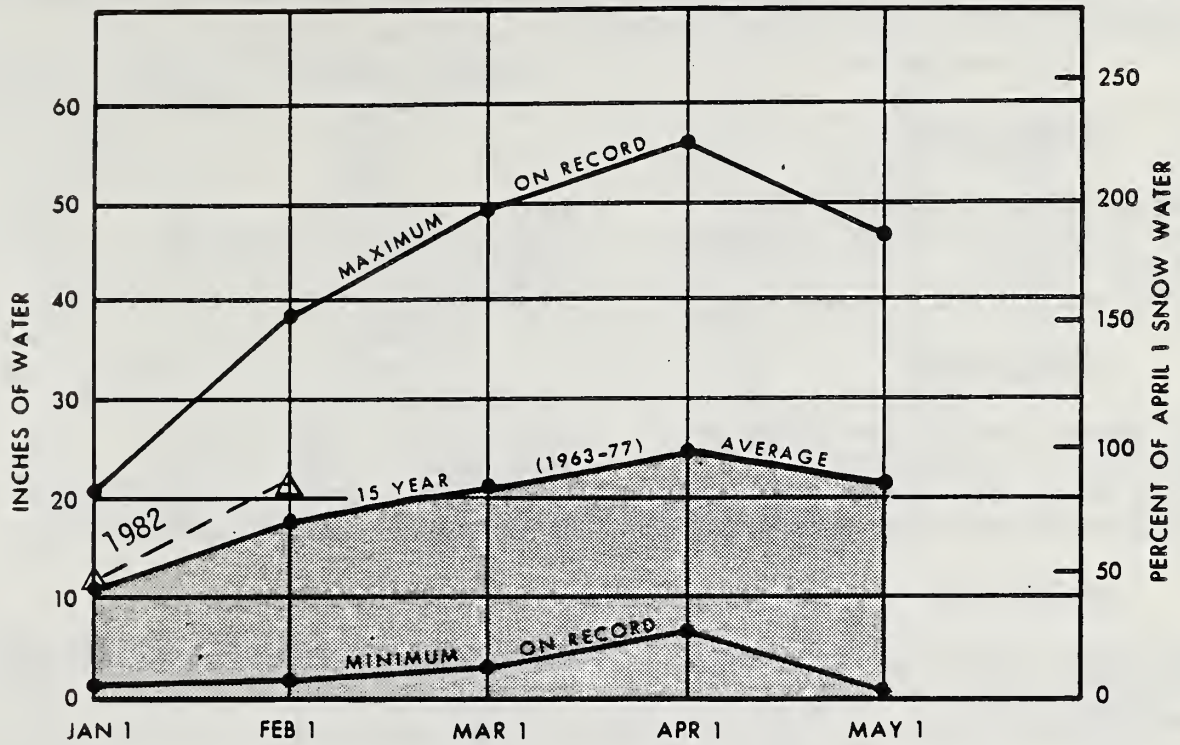
# WINTER SNOWPACK

## TAHOE, TRUCKEE, CARSON & WALKER BASINS

### CALIFORNIA - NEVADA

#### 1982

Data based on 9 long term Snow Courses



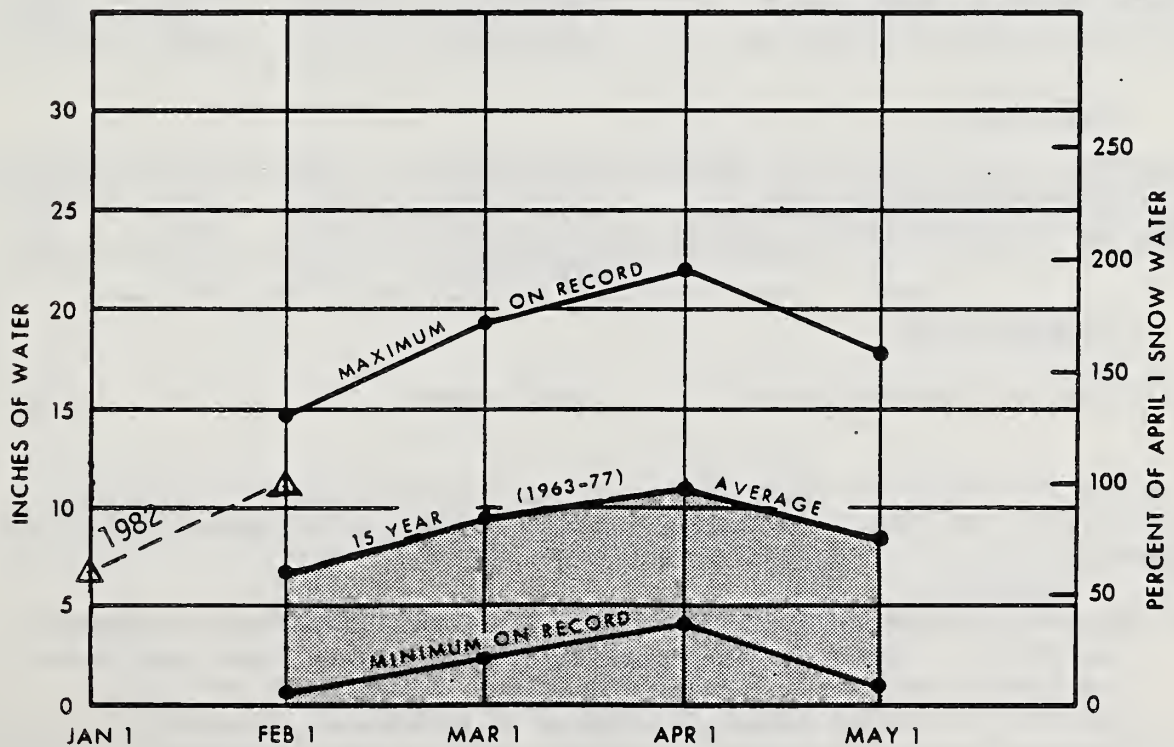
# WINTER SNOWPACK

## UPPER HUMBOLDT & SNAKE BASINS

### NEVADA

#### 1982

Data based on 13 selected Snow Courses



# STREAMFLOW FORECASTS (Thousand Acre Feet) as of: February 1, 1982

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1963-77 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average †
----------------	-----------------	--------------------	---------------------------------	-----------

## TRUCKEE RIVER

Truckee River at Farad, CA <sub>1</sub> /	April-July	390	143	273
Lake Tahoe Rise in Feet (assuming gates closed)	April 1 to high	2.05	144	1.42
Little Truckee River above Boca, CA.	April-July	120	140	86

## CARSON RIVER

East Carson near Gardnerville, NV.	April-July	270	144	187
West Carson at Woodfords, CA.	April-July	80	151	53
Carson River near Carson City, NV.	April-July	275	150	183
Carson River near Fort Churchill, NV.	April-July	255	153	167

## WALKER RIVER

East Walker near Bridgeport, CA <sub>2</sub> /	April-Aug.	105	152	69
West Walker near Little Walker near Coleville, CA.	April-July	220	151	146

## HUMBOLDT RIVER

Lamoille Creek near Lamoille, NV.	April-July	38	130	29
S. Fork Humboldt above Dixie Creek, NV.	April-July	80	110	73
Marys River above Hot Springs, NV.	April-July	50	135	37
N. Fork Humboldt at Devils Gate, NV.	April-July	50	143	35
Humboldt River at Palisade, NV.	April-July	270	122	221
Humboldt River at Comus, NV.	April-July	215	121	178
Martin Creek near Paradise, NV.	April-July	22	147	15

## SNAKE RIVER

Owyhee River near Gold Creek, NV. <sub>3</sub> /	April-July	30	130	23
Owyhee River near Owyhee, NV. <sub>3</sub> /	April-July	100	125	80
Salmon Falls Creek near San Jacinto, NV	March-July	112	124	90
	March-Sept.	118	124	95

## COLORADO RIVER

Virgin River at Littlefield, AZ.	April-June	41	85	48
----------------------------------	------------	----	----	----

**NOTE:** Streamflow forecasts which appear in this bulletin are a coordinated activity of the National Weather Service and the Soil Conservation Service.

1/ Observed flow plus change in storage in Boca, Stampede and Prosser Reservoirs, Donner, Independence and Martis Creek Lakes, and minus the flow at Truckee River at Tahoe City, California.

2/ Observed flow plus change in storage in Bridgeport Reservoir.

3/ Observed flow plus change in storage in Wild Horse Reservoir.

† 1963-1977 period.



# RESERVOIR STORAGE (Thousand Acre Feet) AS OF February 1, 1982

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
Owyhee	Wild Horse	72	25	49	30
Lower Humboldt	Rye Patch	172	58	159	111
Colorado	Mohave	1,810	1,643	1,698	1,660
Colorado	Mead	26,159	23,083	23,439	17,580
Tahoe	Tahoe	732	434	355	479
Truckee	Boca	41	32	17	19
Truckee	Stampede**	220	124	142	118*
Truckee	Prosser***	30	9	9	7
Carson	Lahontan	291	201	211	214
West Walker	Topaz	59	33	33	37
East Walker	Bridgeport	42	21	35	31

\* Adjusted average.  
 \*\* Storage began August 1, 1969.  
 \*\*\* Flood Control use allocation of 20,000 acre-feet between November 1 and April 10.

## TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average †
October 1	358	883	786
January 1	688	793	844
February 1	804	859	920
March 1		898	968
April 1		953	1,010
May 1		939	1,032

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.  
 TOTAL USABLE CAPACITY 1,409

## PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Peak flow forecasts not issued until March 1, 1982.		

## FORECAST DATE of LOW FLOW VALUES

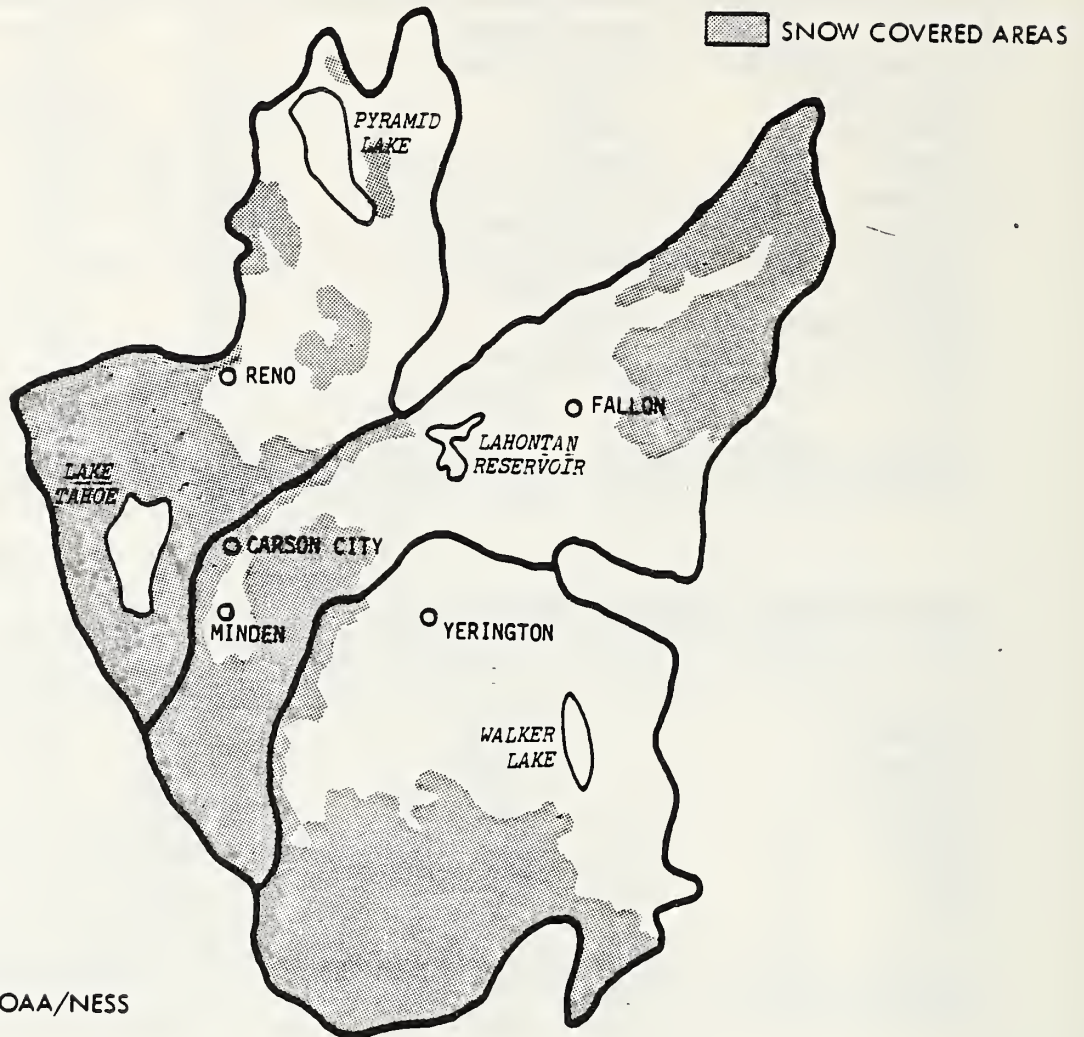
FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Low flow forecast not issued until March 1, 1982.			

† 1963-1977 period.

# SATELLITE SNOW COVER

## TAHOE-TRUCKEE, CARSON AND WALKER BASINS

FEBRUARY 1, 1982



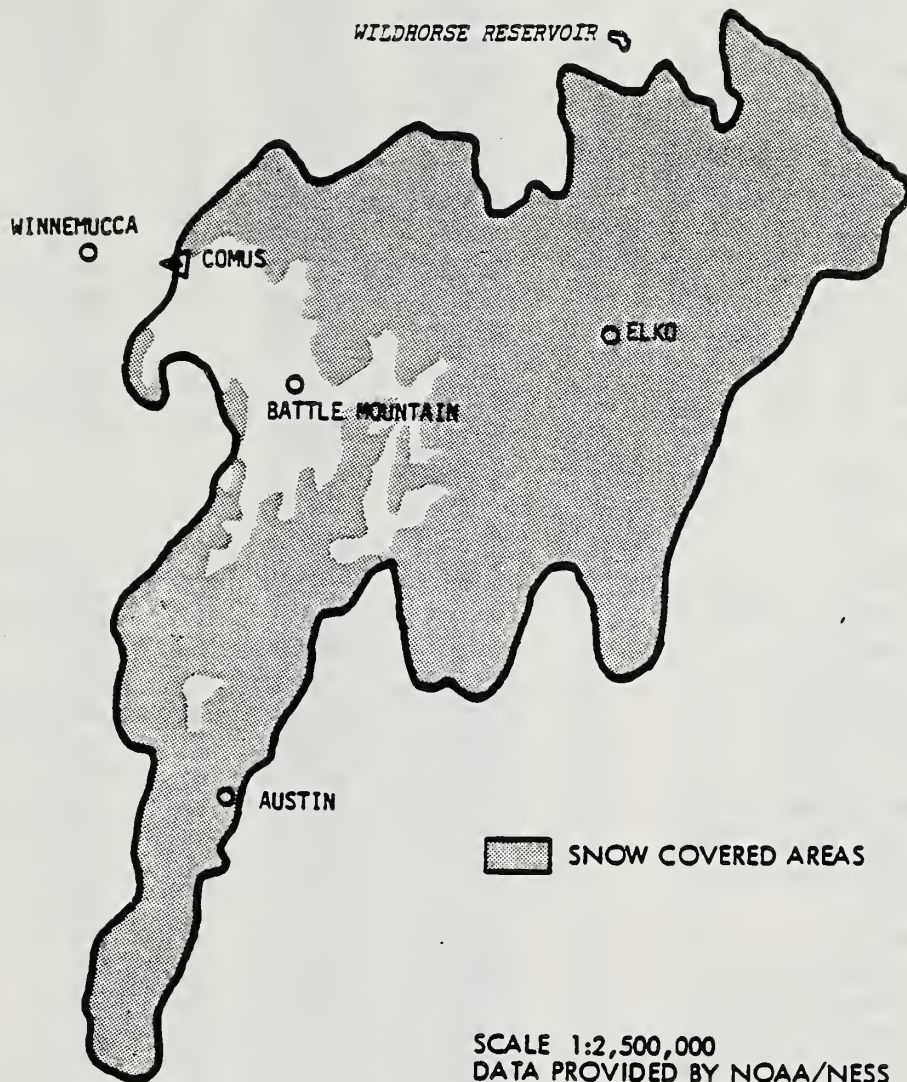
SCALE 1:2,000,000  
DATA PROVIDED BY NOAA/NESS  
WASHINGTON D.C.

<u>BASIN</u>	<u>THIS YEAR</u>	<u>PERCENT SNOW COVER</u>	<u>LAST YEAR</u>	<u>PERCENT SNOW COVER</u>
TAHOE-TRUCKEE	November 29, 1981	56.0%	November 27, 1980	8.0%
	January 1, 1982	56.0%	December 28, 1980	11.0%
	January 31, 1982	48.0%	February 1, 1981	62.0%
CARSON	November 29, 1981	30.0%	November 27, 1980	3.0%
	January 1, 1982	24.0%	December 28, 1980	6.0%
	January 31, 1982	48.0%	February 1, 1981	33.0%
WALKER	November 29, 1981	77.0%	November 27, 1980	9.0%
	January 1, 1982	40.0%	December 28, 1980	11.0%
	January 31, 1982	43.0%	February 1, 1981	52.0%

# SATELLITE SNOW COVER

## HUMBOLDT RIVER ABOVE COMUS, NEVADA

FEBRUARY 1, 1982



SCALE 1:2,500,000  
DATA PROVIDED BY NOAA/NESS  
WASHINGTON, D.C.

<u>THIS YEAR</u>	<u>PERCENT SNOW COVER</u>	<u>LAST YEAR</u>	<u>PERCENT SNOW COVER</u>
November 26, 1981	24.0%	November 27, 1980	43.0%
November 29, 1981	68.0%	December 1, 1980	35.0%
December 7, 1981	7.0%	December 8, 1980	57.0%
December 16, 1981	18.0%	December 14, 1980	38.0%
December 22, 1981	58.0%	December 23, 1980	11.0%
January 1, 1982	97.0%	December 26, 1980	4.0%
January 6, 1982	100.0%	January 6, 1981	6.0%
January 30, 1982	88.0%	February 1, 1981	89.0%



# SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Elevation				Last Year	Average †

## LAKE TAHOE

Echo Peak (CA)	7,800	1/13/82	93	32.1	-	-
Echo Peak (CA)	7,800	1/25/82	110	37.3**	14.9	-
Echo Summit (CA)	7,450	1/29/82	89	28.3	12.0	23.7
Fallen Leaf (CA)	6,300	1/28/82	46	11.1	4.3	-
Freel Bench (CA)	7,300	1/27/82	38	11.4	4.4	9.1
Glenbrook #2	6,900	1/29/82	32	8.7	5.3	8.0
Hagan's Meadow (CA)	8,000	1/25/82	49	13.9	8.8	12.7
Heavenly Valley (CA)	8,800	1/29/82	86	27.1	9.5	19.1*
Marlette Lake	8,000	1/25/82	57	16.4	9.4	14.2
Richardsons #2 (CA)	6,500	1/26/82	55	14.1	6.1	11.2
Rubicon #2 (CA)	7,500	1/27/82	80	25.3**	13.1	-
Tahoe City Cross (CA)	6,750	1/27/82	52	15.9	6.9	-
Upper Truckee (CA)	6,400	1/27/82	37	10.0	4.0	-
Ward Creek #2 (CA)	7,000	1/27/82	100	35.0	14.4	26.5
Ward Creek #3 (CA)	6,750	1/25/82	95	28.3	17.4	22.7*

## TRUCKEE RIVER

Big Meadows	8,300	1/25/82	70	23.0**	-	-
Boca #2 (CA)	5,900	1/30/82	26	6.8	3.0	5.1
Brockway Summit (CA)	7,100	1/28/82	47	11.8	10.0	13.5
Castle Creek (CA)b	7,400	1/29/82	134	49.1	18.3	34.6
Donner Park #2 (CA)	6,000	1/30/82	49	12.7	6.1	12.0
Donner Summit (CA)	6,900	1/29/82	90	29.8	11.2	23.3*
Fordyce Lake (CA)b	6,500	1/29/82	71	26.0	18.4	20.7
Furnace Flat (CA)b	6,700	1/29/82	102	32.8	23.0	24.9
Independence Camp (CA)	7,000	1/25/82	49	13.3	8.0	16.8
Independence Creek (CA)	6,500	1/25/82	34	9.0	7.3	8.7
Independence Lake (CA)	8,450	1/25/82	109	35.5	14.3	-
Little Valley	6,300	1/29/82	27	5.6	2.8	-
Mount Rose	9,000	1/25/82	92	33.5**	10.1**	-
Mount Rose Ski Area	8,850	1/27/82	129	50.4	18.1	26.7*
Sage Hen Creek (CA)	6,500	1/27/82	48	12.5	1.9	12.4
Squaw Valley #2 (CA)	7,500	1/25/82	126	43.5	19.0	32.9
Squaw Valley Gold Coast (CA)	8,200	1/25/82	140	47.0**	19.8**	-
Truckee #2 (CA)	6,400	1/28/82	43	11.5	3.0	10.2

## CARSON RIVER

Blue Lakes (CA)	8,000	1/27/82	95	31.4	15.6	21.5
Carson Pass, Upper (CA)	8,600	1/25/82	99	35.0	14.4	22.8
Clear Creek	7,300	1/27/82	33	8.4	2.3	-
Ebbetts Pass AM (CA)	8,700	1/29/82	110	39.6a	15.9a	21.3
Ebbetts Pass #2	8,700	1/13/82	93	33.2	-	-
Ebbetts Pass #2 (CA)	8,700	1/29/82	110	39.3	17.0	-
Fish Valley, Upper AM (CA)	8,050	1/29/82	34	9.5a	5.3a	10.3
Monitor Pass AM (CA)	8,350	1/29/82	45	13.5a	8.6a	-
Poison Flat #2 (CA)	7,900	1/13/82	48	12.4	-	-
Poison Flat #2 (CA)	7,900	1/29/82	54	15.3	8.9	11.1
Spratt Creek (CA)	6,100	1/29/82	27	9.0**	3.2**	-
Wet Meadows Lake AM (CA)	8,050	1/13/82	76	25.8a	14.5a	17.7
Wet Meadows #2	8,050	1/13/82	92	31.3	-	-
Wet Meadows #2	8,050	1/29/82	102	33.7**	16.0	-
Wolf Creek AM (CA)	8,000	1/29/82	72	25.9a	11.9a	20.4



# SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
					Last Year	Average †
NAME	Elevation					

## WALKER RIVER

Buckeye Roughs (CA)	7,900	NS	-	-	6.8	-
Center Mountain (CA)	9,400	1/29/82	114	37.3	13.9	25.8
Leavitt Lake (CA)	9,400	1/29/82	132	50.6	18.3	-
Leavitt Meadows (CA)	7,200	1/29/82	38	10.0	6.0	-
Lobdell Lake (CA)	9,200	1/29/82	59	17.3	8.1	12.2*
Sawmill Ridge (CA)	8,750	1/29/82	61	18.4	7.5	-
Sonora Pass (CA)	8,800	1/29/82	80	26.7	11.2	16.4
Sonora Pass Bridge (CA)	8,800	1/29/82	84	27.8**	10.3	-
Tioga Pass (CA)	9,900				-	17.4
Virginia Lakes (CA)	9,500	1/29/82	56	17.5	8.2	10.4
Virginia Lakes Ridge (CA)	9,200	1/29/82	57	17.0	7.0	10.2
Willow Flat (CA)	8,250	NS	-	-	5.6	-

## NORTHERN GREAT BASIN

Bald Mountain AM	6,720	1/27/82	14	3.1	1.1	0.9*
Barber Creek (CA)	6,500	1/29/82	43	12.9	1.6	8.3
Cedar Pass (CA)	7,100	1/27/82	40	12.0	2.6	10.6*
Denio Creek AM (OR)	6,000	NS	-	-	2.8a	0.5*
Disaster Peak	6,500	1/29/82	50	12.4a	2.7**	-
Dismal Swamp #2 (CA)	7,000	1/31/82	75	23.7**	13.2**	-
49 Mountain	6,000	1/28/82	16	4.1	1.6	2.7
Hays Canyon	6,400	1/29/82	16	4.7	0.9	2.8
Little Bally Mountain AM	6,000	1/27/82	14	3.1	1.4a	2.2*
Oregon Canyon AM (OR)	7,240	1/29/82	13	3.6	-	4.0*
Quinn Ridge AM	6,300	1/29/82	15	4.2	0.4a	1.5*
Reservation Creek (CA)	5,900	1/28/82	36	10.8	5.6	8.0
Trout Creek AM (OR)	7,800	1/29/82	15	4.2	4.2a	4.6*

## SNAKE RIVER

Bear Creek	7,800	1/26/82	58	18.2	5.3a	13.6
Boies Reservoir	5,800	1/25/82	4	1.1	-	-
Ford Corral	6,300	1/25/82	6	1.6	-	-
Goat Creek	8,800	2/1/82	54	16.1	4.0	11.9
Jakes Creek	7,000	1/29/82	26	6.5	-	-
Merritt Mountain AM	7,000	1/29/82	24	6.2a	5.0a	4.2*
Pole Creek Ranger Station	8,330	2/1/82	57	17.9	5.0	13.3
Seventy Six Creek	7,100	1/26/82	48	13.6	3.8a	7.8
Stag Mountain AM	7,700	1/29/82	24	6.7a	2.1a	3.7*

## OWYHEE RIVER

Big Bend	6,700	1/26/82	37	10.0	2.2	6.1
Columbia Basin AM	6,650	1/29/82	32	8.3a	1.8a	6.9
Fawn Creek #2 AM	7,050	1/26/82	52	13.0**	3.8a	-
Gold Creek	6,600	1/26/82	25	6.0	0.6	3.9
Jack Creek, Lower	6,800	NS			-	-
Jack Creek, Upper	7,250	1/26/82	39	9.9	3.5a	4.2
Jack Creek #2, Upper	7,250	1/26/82	61	17.6	5.1**	-
Jacks Peak	8,420	1/27/82	72	22.5**	-	-
Laurel Draw	6,700	1/26/82	37	9.2	1.2**	5.7*
Louse Canyon AM (OR)	6,440	1/29/82	21	5.9	3.2a	2.3*
Taylor Canyon	6,200	1/26/82	23	6.1	0.9	4.0

† 1963-1977 period.

# SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Elevation				Last Year	Average †

## UPPER HUMBOLDT RIVER

American Beauty AM	7,800	1/29/82	18	5.4 <sub>a</sub>	4.0 <sub>a</sub>	6.5*
Corral Canyon	8,500	1/27/82	38	11.0	5.3 <sub>a</sub>	-
Dorsey Basin	8,100	1/27/82	39	12.5	4.5**	-
Draw Creek	7,450	1/29/82	43	11.2 <sub>a</sub>	-	-
Dry Creek	6,500	1/27/82	22	6.2	-	-
Fry Canyon	6,700	1/26/82	34	8.5	3.6	5.2
Green Mountain	8,000	1/27/82	38	11.6	-	-
Lamoille #1	7,100	1/27/82	22	5.7	3.7	5.7
Lamoille #3	7,700	1/27/82	33	9.2	3.9	8.1
Lamoille #5	8,700	1/27/82	81	28.6	7.6	17.1
Robinson Lake AM	9,200	1/29/82	108	36.7 <sub>a</sub>	8.8 <sub>a</sub>	19.9*
Rodeo Flat	6,800	1/26/82	29	7.8	2.9	4.1
Tent Mountain AM, Lower	7,000	1/29/82	31	8.7 <sub>a</sub>	1.9 <sub>a</sub>	-
Tent Mountain AM, Upper	8,350	1/29/82	53	17.0 <sub>a</sub>	7.1 <sub>a</sub>	-
Tremewan Ranch	5,700	1/26/82	15	3.8	0.5	1.2
Trout Creek, Upper AM	8,500	1/29/82	34	11.6 <sub>a</sub>	0.8 <sub>a</sub>	12.0

## LOWER HUMBOLDT RIVER

Big Creek Summit	6,600	1/31/82	32	8.8**	2.6**	-
Buckskin, Lower	6,700	1/29/82	26	7.0 <sub>a</sub>	1.9 <sub>a</sub>	-
Buckskin, Upper	8,200	1/29/82	26	7.3 <sub>a</sub>	2.5 <sub>a</sub>	-
Golconda #2	6,000	NS	-	-	-	1.3*
Granite Peak	7,800	1/29/82	84	25.2 <sub>a</sub>	7.4 <sub>a</sub>	-
Lamance Creek	6,000	1/29/82	31	8.7 <sub>a</sub>	3.2 <sub>a</sub>	-
Martin Creek	6,700	1/29/82	36	10.1 <sub>a</sub>	3.6 <sub>a</sub>	-
Midas AM	7,200	1/29/82	18	4.9 <sub>a</sub>	2.4 <sub>a</sub>	2.1*
Toe Jam AM	7,700	1/29/82	36	9.0 <sub>a</sub>	1.9 <sub>a</sub>	6.7*

## EASTERN NEVADA

Baker #1	7,950	1/30/82	21	4.9	3.0	-
Baker #2	8,950	1/30/82	39	10.1	6.5	-
Baker #3 AM	9,250	NS	-	-	-	9.2
Berry Creek	9,100	1/31/82	28	7.5**	6.8	-
Bird Creek	7,500	1/27/82	14	2.0	2.0	-
Defiance Mines AM	9,400	NS	-	-	-	12.1*
Hole-in-Mountain	7,900	1/27/82	75	28.3	2.1 <sub>a</sub>	-
Kalamazoo Creek	7,400	1/27/82	24	6.6	2.7	-
Murray Summit	7,250	1/27/82	12	1.8	0.1	-
Robinson Summit	7,600	1/26/82	13	2.8	0.1	-
Silver Creek #2 AM	8,000	1/27/82	1	0.1 <sub>a</sub>	-	4.8*
Ward Mountain #2	7,400	1/28/82	32	8.8**	6.9**	5.1*

## CENTRAL GREAT BASIN

Montgomery Pass	7,100	2/1/82	2	0.3	0.5	1.1*
-----------------	-------	--------	---	-----	-----	------

† 1963-1977 period.

# SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Elevation				Last Year	Average †

## LOWER COLORADO RIVER

Corduoy Flat AM	8,720	1/27/82	6	1.5 <sub>a</sub>	1.8 <sub>a</sub>	-
Lee Canyon #2	9,000	1/28/82	18	4.9	0.7	-
Lee Canyon #3	8,500	1/28/82	15	4.3	-	-
White River AM	7,400	1/27/82	6	1.5 <sub>a</sub>	1.4 <sub>a</sub>	-

## DESERT RESEARCH INSTITUTE MEASUREMENTS

### TAHOE-TRUCKEE BASIN

Alder Creek	6,960	1/27/82	92	28.4	13.0	-
Apollo Way	7,300	1/25/82	31	9.9	7.8	-
Bennett Flat	6,200	1/27/82	52	14.2	6.0	-
Davis Creek	5,160	1/30/82	15	4.9	1.2	-
Evergreen Hills Road	5,700	1/25/82	15	4.2	2.8	-
Galena Creek	7,440	1/25/82	50	15.4	11.7	-
Henness Pass Junction	6,410	1/31/82	38	8.6	6.4	-
Hobart Mills	5,850	1/27/82	37	8.8	3.9	-
Incline Lake	8,000	1/25/82	62	19.4	9.0	-
Jones Creek	6,000	1/25/82	12	3.2	2.4	-
Mount Rose Resort	8,280	1/25/82	91	30.9	15.3	-
North Star Fire Department	6,320	1/27/82	29	7.2	4.3	-
Reindeer Lodge	7,060	1/25/82	31	8.1	6.2	-
RNR Test Site	6,400	1/25/82	25	6.4	4.1	-
Sky Tavern	7,620	1/25/82	45	14.8	8.1	-
Spooner Summit	7,620	1/30/82	37	11.1	7.0	-
Squaw Valley Fire Department	6,240	1/27/82	62	17.1	7.5	-
Tahoe City	6,240	1/27/82	49	13.9	6.5	-
Tahoe Meadows	8,540	1/25/82	110	41.7	17.7	-
Tamarack Lake	8,820	1/25/82	103	41.3	14.6	-
Third and Incline Creeks	6,235	1/25/82	25	5.6	3.3	-
Thunder Cliff	6,200	1/27/82	57	15.1	6.0	-
Truckee Airport	5,900	1/27/82	28	7.8	2.5	-
Whites Creek	5,670	1/25/82	12	3.5	2.2	-

*a Aerial Marker*

*b Located on adjacent basin*

*\* Less than 15 year record*

*\*\* SNOTEL provisional, depth estimated*

*NS Not surveyed this month*

**NOTE:** All averages based on 1963-77, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.

† 1963-1977 period.



# PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Last Year	This Year	Last Year	
<u>TAHOE-TRUCKEE</u>							
Big Meadows	8,300	2/1/82	7.1	-	31.6	-	-
Echo Peak (CA)	7,800	2/1/82	9.7	5.5	50.3	14.1	18.2
Fallen Leaf (CA)	6,240	2/1/82	6.7	5.1	35.5	9.9	12.0
Hagan's Meadow (CA)	8,000	2/1/82	8.9	6.3	29.9	8.7	13.8
Heavenly Valley (CA)	8,800	2/1/82	8.3	5.8	28.0	10.4	11.9
Independence Camp (CA)	7,000	2/1/82	9.3	6.5	40.2	11.7	14.3
Independence Creek (CA)	6,500	2/1/82	6.5	6.0	38.9	10.4	9.7
Independence Lake (CA)	8,450	2/1/82	7.9	8.5	41.5	16.9	9.3
Marlette Lake	8,000	2/1/82	9.6	6.6	31.0	11.9	12.5
Mt. Rose	9,000	2/1/82	7.4	4.4	30.2	8.0	13.8
Mt. Rose Ski Area	8,850	2/1/82	10.9	10.2	54.2	19.1	18.5
Rubicon #2 (CA)	7,500	2/1/82	8.9	7.3	42.9	13.1	-
Squaw Valley Gold Coast (CA)	7,800	2/1/82	13.3	9.9	69.5	20.3	-
Tahoe City Cross (CA)	6,750	2/1/82	8.6	7.1	42.8	12.8	13.3
Truckee #2 (CA)	6,400	2/1/82	8.1	7.0	37.5	10.4	9.8
Ward Creek #3 (CA)	6,750	2/1/82	14.6	11.0	76.4	20.8	22.8
<u>CARSON-WALKER</u>							
Blue Lakes (CA)	8,000	2/1/82	12.4	8.8	41.8	15.2	-
Ebbetts Pass #2 (CA)	8,700	2/1/82	13.4	9.8	45.9	17.7	20.6
Leavitt Meadows (CA)	7,200	2/1/82	7.9	6.1	29.3	12.2	15.6
Lobdell Lake (CA)	9,200	2/1/82	7.5	4.0	18.7	9.0	8.8
Pine Nut Creek (CA)	6,600	1/30/82	2.8	1.8	13.4	3.7	-
Poison Flat (CA)	7,900	1/30/82	-	6.0	28.6	10.0	16.4
Sonora Pass Bridge (CA)	8,800	1/30/82	10.4	7.6	31.9	12.3	14.4
Spratt Creek (CA)	6,080	1/30/82	8.3	5.9	30.4	11.1	-
Virginia Lakes Ridge (CA)	9,200	1/30/82	7.5	4.7	20.9	8.7	11.8
Wet Meadows #2 (CA)	8,050	1/30/82	11.3	9.4	42.5	-	12.8
<u>HUMBOLDT</u>							
Big Creek Summit	8,700	2/1/82	4.3	1.3	9.3	4.0	-
Buckskin, Lower	6,700	2/1/82	2.8	1.0	16.8	6.2	-
Corral Canyon	8,500	2/1/82	3.3	2.1	13.8	6.3	10.6
Dorsey Basin	8,100	2/1/82	4.5	2.0	18.8	7.4	10.6
Fry Canyon	6,700	1/26/82	-	1.5	16.7	6.0	-
Granite Peak	7,800	2/1/82	3.9	2.6	21.4	8.7	-
Green Mountain	8,000	2/1/82	3.6	-	16.6	-	12.5
Lamance Creek	6,000	2/1/82	4.3	2.0	24.8	7.2	-
Lamoille #3	7,700	2/1/82	3.1	1.9	16.1	6.2	9.4
Rodeo Flat	6,800	9/30/81 - 1/26/82	-	1.2	14.7	4.7	6.7
<u>SNAKE-OWYHEE</u>							
Bear Creek	7,800	2/1/82	4.6	1.8	20.3	8.1	11.5
Big Bend	6,700	2/1/82	2.4	1.2	12.2	5.0	6.6
Boies Reservoir	5,800	9/16/81 - 1/25/82	-	-	1.0	-	-
Fawn Creek #2	7,000	2/1/82	4.0	2.3	21.0	9.4	-
Ford Corral	6,300	1/25/82	-	-	2.2	-	-
Goat Creek	8,800	2/1/82	4.7	2.4	19.0	6.7	-
Jack Creek #2, Upper	7,250	2/1/82	3.9	2.0	20.7	8.7	10.2
Jacks Peak	8,420	2/1/82	6.5	-	27.5	-	12.5
Laurel Draw	6,700	2/1/82	3.0	1.6	18.6	7.2	9.6
Pole Creek Ranger Station	8,330	2/1/82	3.3	1.4	11.5	4.8	-
Seventy Six Creek	7,100	2/1/82	3.2	1.5	14.7	5.3	7.8
Taylor Canyon	6,200	2/1/82	1.0	0.8	8.5	2.3	4.5
<u>EASTERN NEVADA</u>							
Berry Creek	9,100	2/1/82	3.5	2.0	13.4	6.2	-
Hole-in-Mountain	7,900	2/1/82	4.6	-	25.4	-	-
Ward Mountain	8,900	2/1/82	4.5	3.1	12.8	7.2	-
<u>NORTHERN GREAT BASIN</u>							
Cedar Pass (CA)	7,100	2/1/82	3.1	3.9	24.6	10.8	6.9
Disaster Peak	6,500	2/1/82	2.9	2.0	18.3	6.4	-
Dismal Swamp #2 (CA)	7,050	2/1/82	6.2	5.6	39.8	16.0	-
Ferguson Ranch	5,560	11/4/81 - 1/29/82	-	2.9	1.8	6.0	-
49 Mountain	6,000	11/4/81 - 1/28/82	-	1.8	1.8	-	-
All data SHOTEL provisional except Ferguson Ranch, Fry Canyon, 49 Mountain, Pine Nut Creek, and Rodeo Flat.							

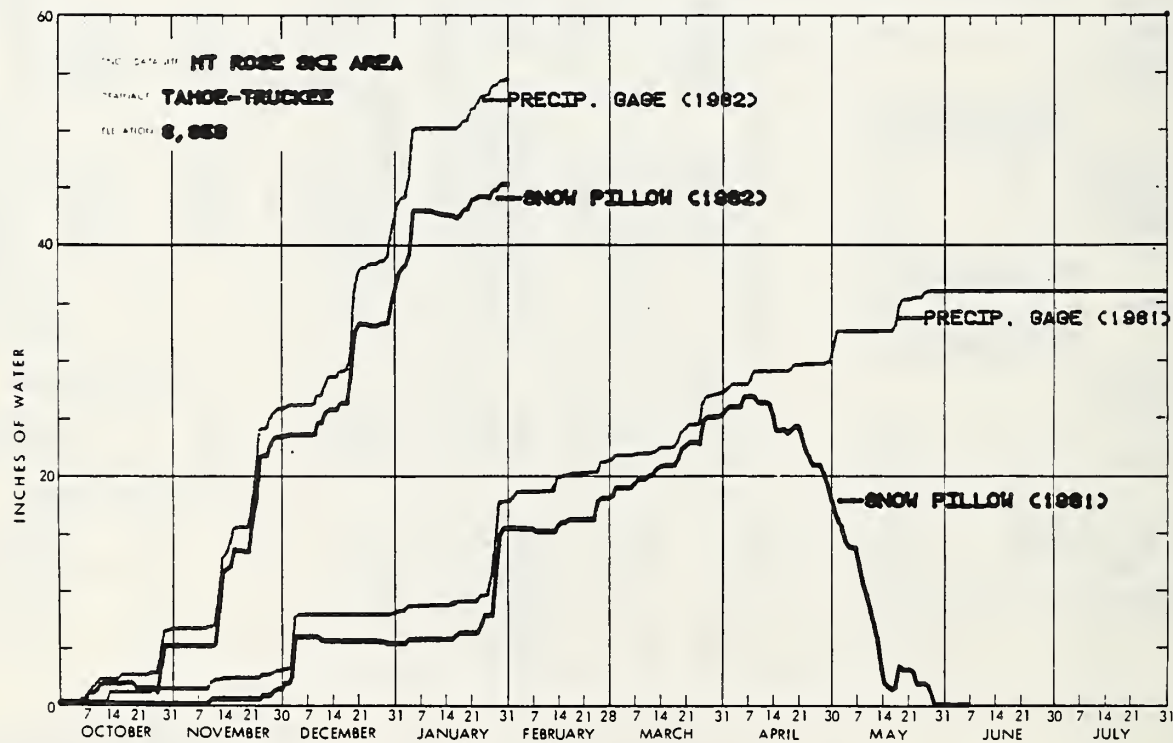
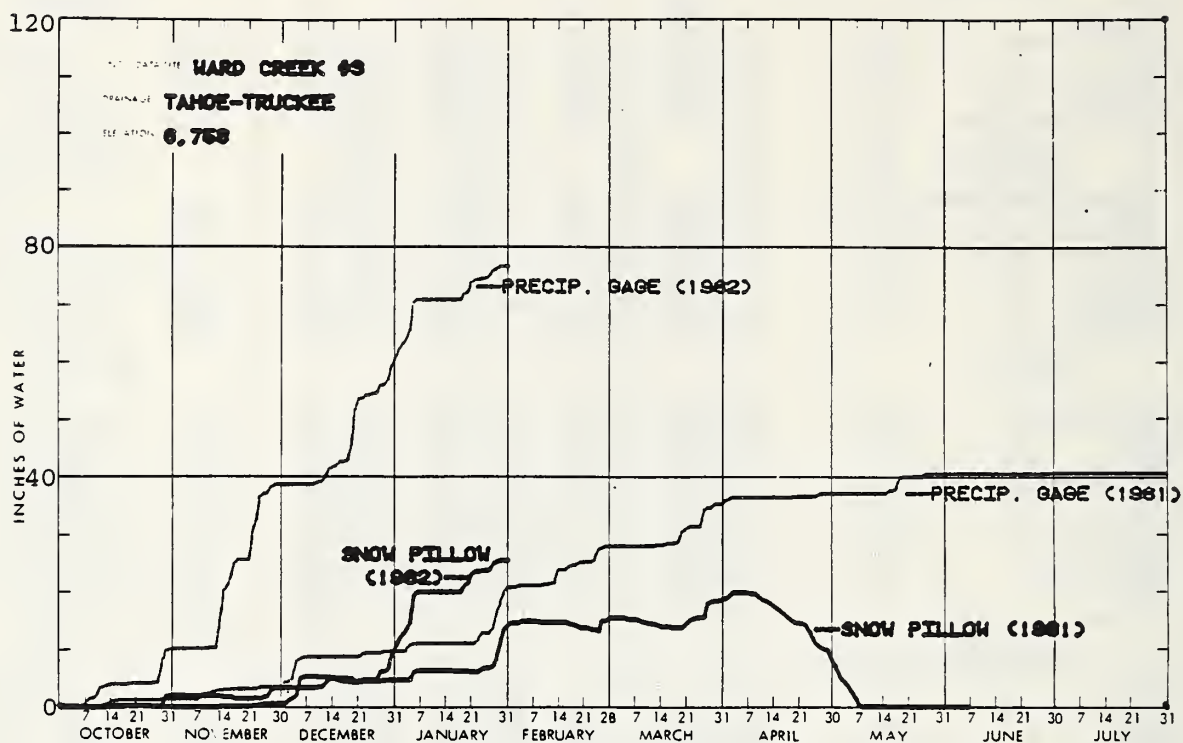
All data SNOTEL provisional except  
Ferguson Ranch, Fry Canyon, 49 Mountain,  
Pine Nut Creek, and Rodeo Flat.



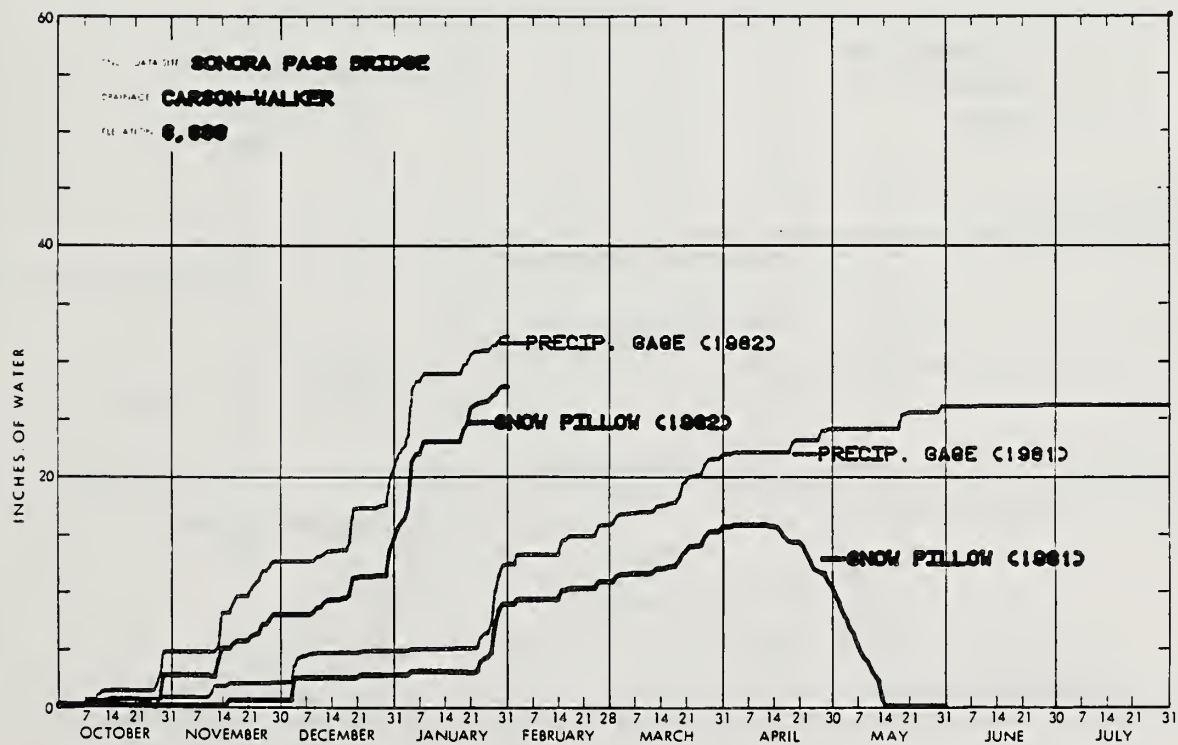
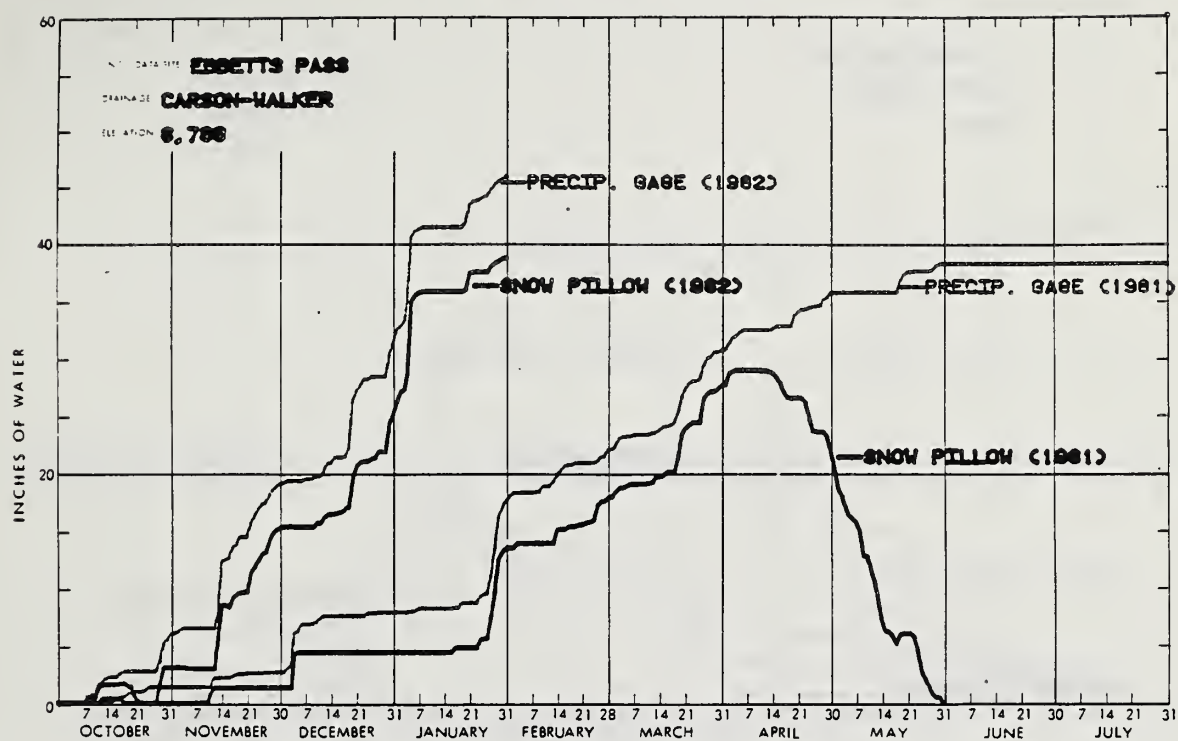
# PRECIPITATION (Inches) FOR JANUARY 1982 - NATIONAL WEATHER SERVICE

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM OCTOBER 1 TO DATE		
		Month's Precip.	Last Year	*Normal	This Year	Last Year	*Normal
<u>TRUCKEE-TAHOE</u>							
Boca	5,575	5.42	3.81	4.34	22.85	6.80	12.24
Glenbrook	6,350	5.43	3.45	4.23	17.25	6.43	10.52
Incline Village	6,550	7.28	5.22	5.02	24.96	8.02	11.71
Reno	4,404	1.20	.85	1.21	5.02	1.87	3.40
Sierraville	4,975	5.02	4.10	5.31	32.64	8.24	15.96
Tahoe City	6,230	9.54	6.76	6.78	39.88	12.00	19.24
Truckee Ranger Station	5,995	8.20	5.49	6.67	32.83	9.82	18.60
<u>CARSON-WALKER</u>							
Bridgeport Ranger Station	6,560	.65	2.70	2.33	4.80	4.76	6.55
Carson City	4,651	3.61	2.24	2.27	10.05	3.96	6.54
Fallon Experiment Station	3,965	.91	.59	.42	2.12	1.05	1.57
Hawthorne	4,215	.04	.08	.37	.98	1.27	1.45
Minden	4,720	1.84	1.37	1.47	5.28	2.36	4.50
Twin Lakes	7,829	10.93	9.53	9.58	39.00	14.93	26.68
Woodfords	5,971	4.20	3.41	3.92	19.34	6.51	12.08
Yerington	4,375	.65	.08	.57	1.76	1.08	2.08
<u>HUMBOLDT</u>							
Austin	6,605	3.01	1.02	.89	5.30	2.29	3.89
Battle Mountain	4,530	.03	.39	.62	1.98	1.62	2.74
Deeth	5,338	.73	.67	1.13	6.45	2.28	3.22
Elko	5,075	.85	.64	1.16	5.22	1.66	3.96
Emigrant Pass	5,755	1.19	.68	1.42	5.40	1.75	4.71
Jiggs	5,760	1.42	.84	1.02	3.56	1.97	4.03
Lamoille	5,800	1.17	1.08	1.43	6.42	2.50	6.20
Lovelock FAA	3,900	.52	.54	.49	2.34	1.05	1.80
North Fork	6,600	*	1.10	1.26	*	3.32	4.12
Paradise Valley	4,675	1.23	.57	1.04	9.84	2.15	5.26
Wells	5,650	.80	.19	1.02	6.19	1.29	4.02
Winnemucca	4,301	.30	.44	.97	4.42	1.48	3.53
<u>SNAKE-OWYHEE</u>							
Contact	5,365	.95	.58	.95	5.50	1.43	2.77
Mountain City	5,620	.67	.35	*	6.47	2.87	*
Owyhee	6,491	.90	1.00	1.41	6.50	4.00	5.39
Tuscarora	6,170	2.13	.83	1.67	10.92	3.14	5.69
<u>EASTERN NEVADA</u>							
Arthur	6,280	2.40	.81	1.68	9.41	2.38	5.78
Ely	6,253	1.06	.77	.60	5.16	2.81	3.21
Montello	4,880	.75	.45	.52	3.38	.99	2.34
Pequop	6,030	1.17	.70	*	7.03	1.98	*
Ruby Lake	6,012	1.32	.71	1.22	7.79	2.76	4.94
<u>NORTHERN GREAT BASIN</u>							
Alturas Ranger Station	4,400	.80	.92	1.71	7.51	2.94	5.97
Cedarville	4,670	1.13	1.00	1.82	11.68	3.23	7.55
Ft. Bidwell	4,498	1.75	2.34	2.41	13.78	6.39	8.01
Oroveda	4,310	1.43	.85	1.22	6.38	2.50	4.40
Susanville	4,148	1.62	2.16	2.78	12.84	4.46	8.27
<u>CENTRAL GREAT BASIN</u>							
Tonopah	5,426	.62	.29	.30	3.03	.40	1.31
<u>LOWER COLORADO RIVER</u>							
Caliente	4,402	.51	.62	.76	1.46	1.47	3.19
Las Vegas	2,162	.09	.09	.45	.53	.14	1.47
Pioche	6,165	1.59	.34	1.47	3.01	.96	5.00
Bishop	4,118	1.59	.65	1.20	3.09	1.98	3.09
* Not Available							
T Trace							
Normals are for 30 year period of 1941-1970.							

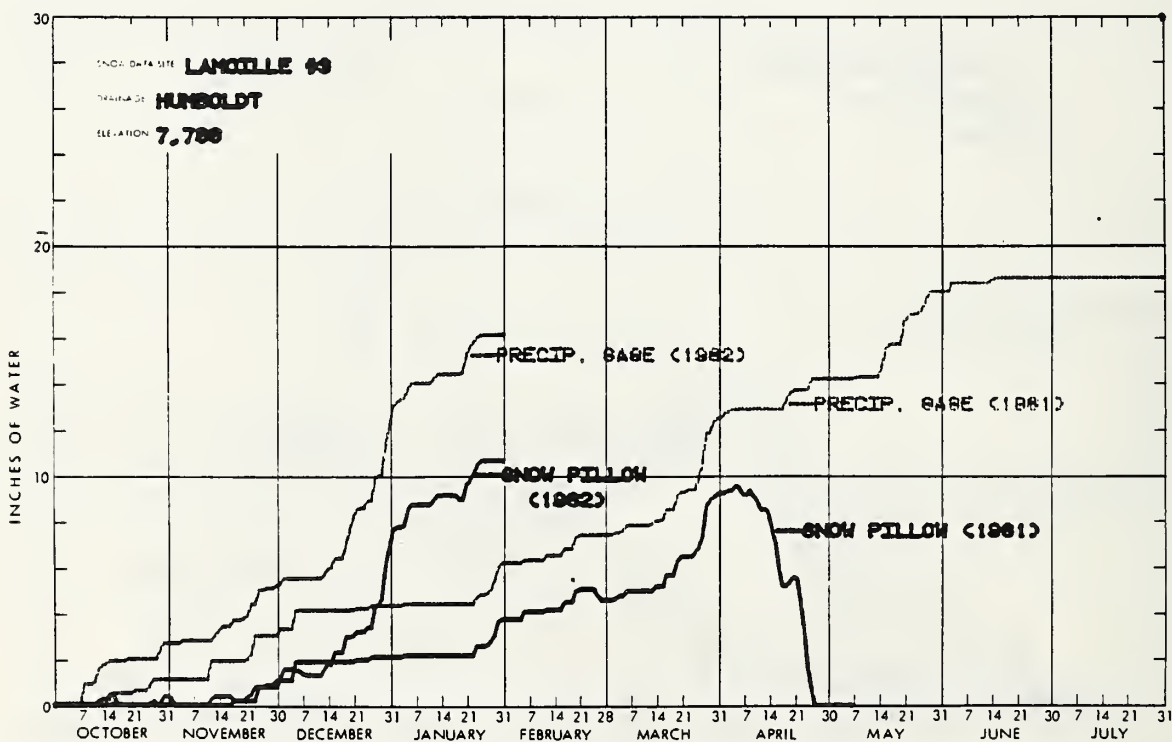
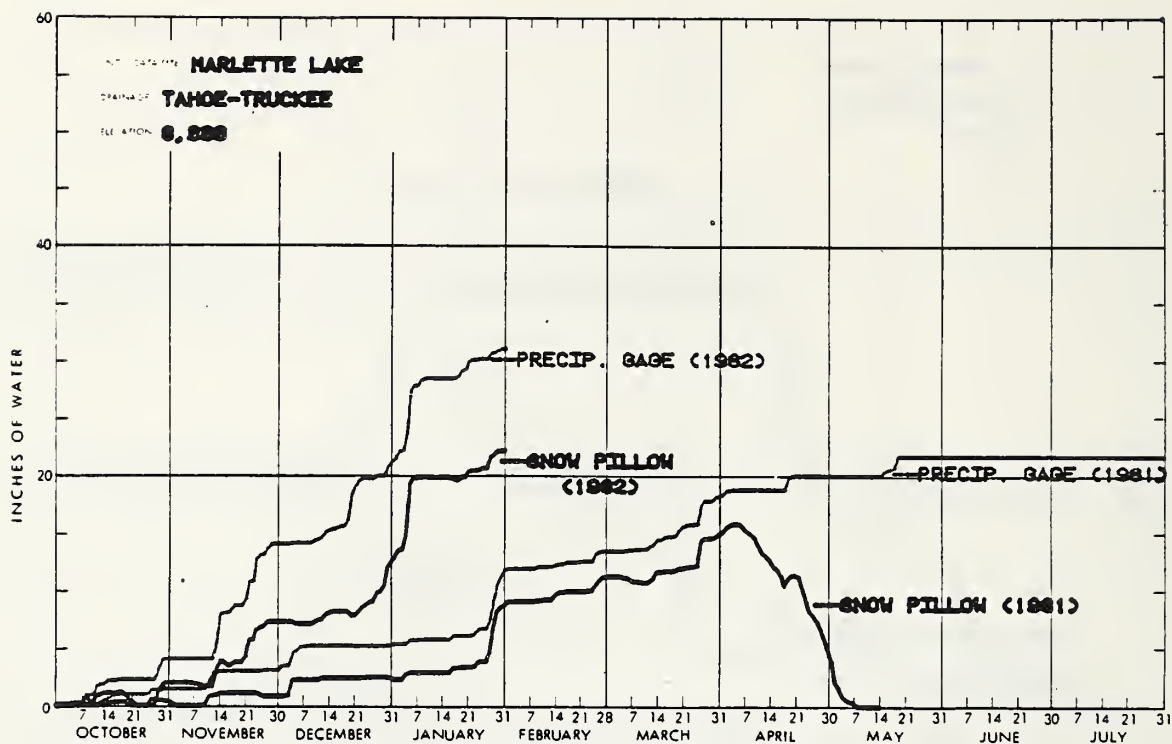
# SNOTEL MEASUREMENTS



# SNOTEL MEASUREMENTS

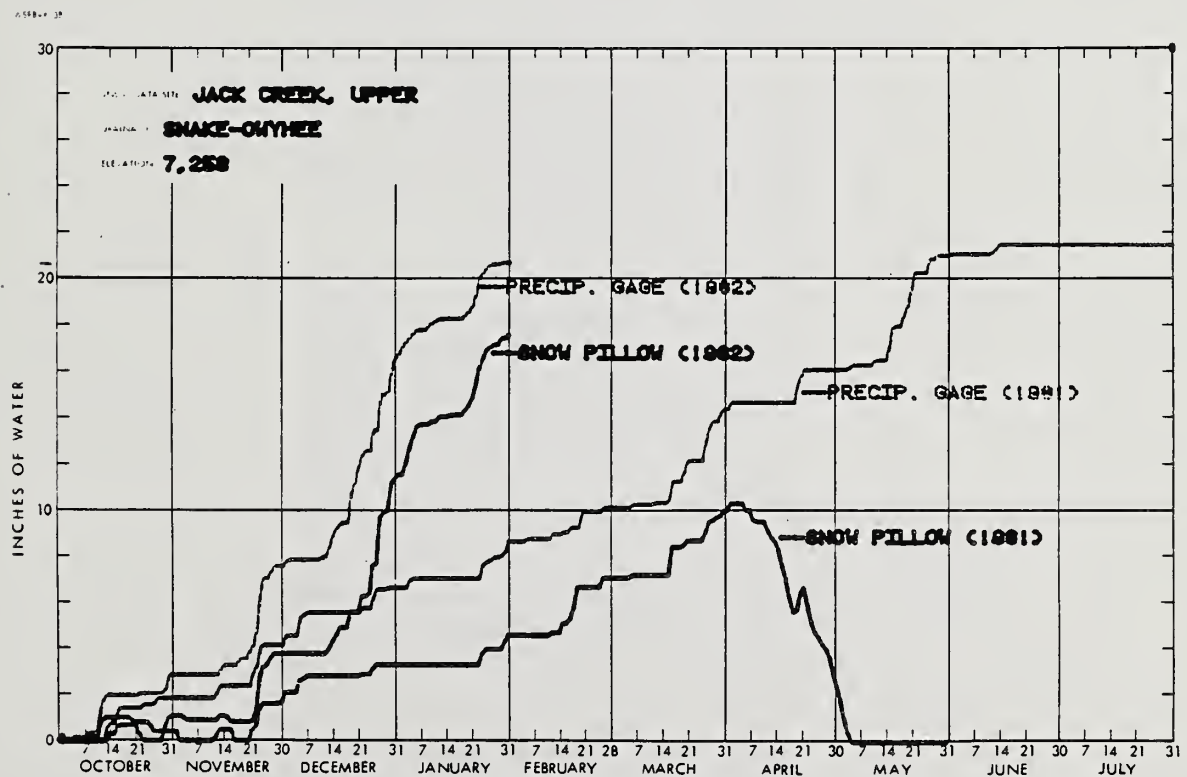
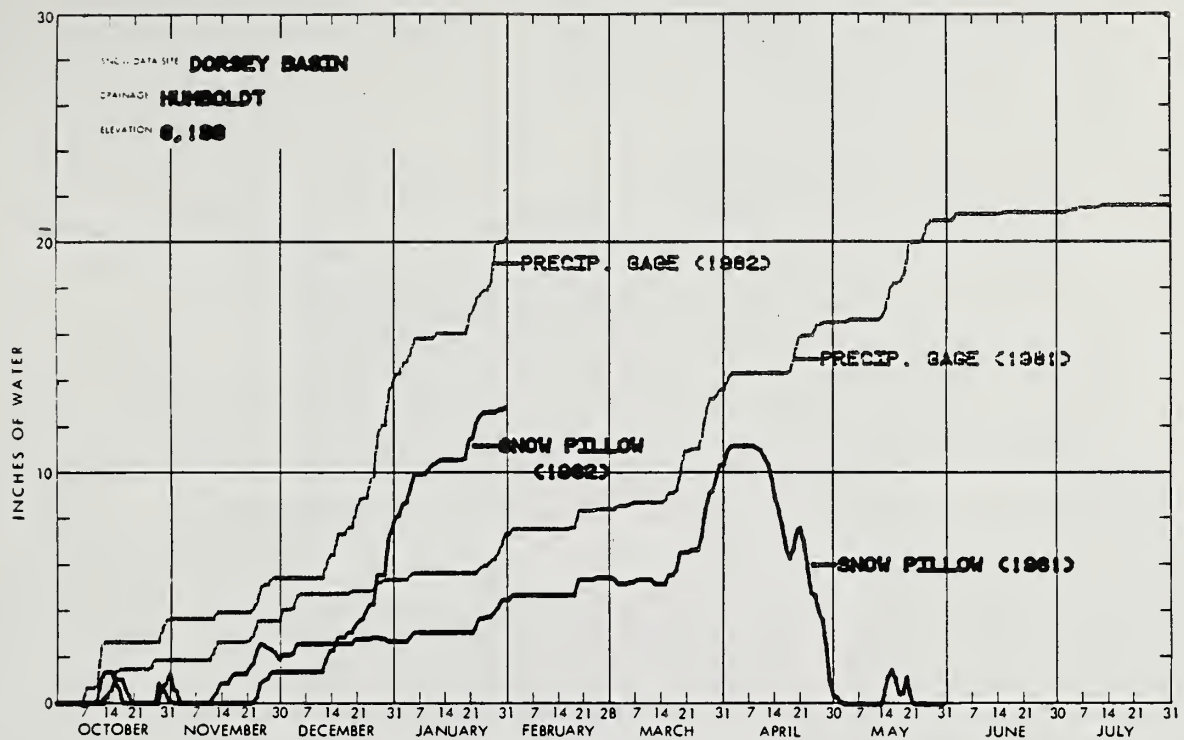


# SNOTEL MEASUREMENTS





# SNOTEL MEASUREMENTS





## AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

### FEDERAL

- Agricultural Research Service
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Soil Conservation Service
- U. S. District Court - Federal Water Master
- NOAA, National Weather Service

### STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Conservation Districts
- Nevada Department of Conservation & Natural Resources
  - Division of Water Resources
  - Nevada State Forester
- Oregon Cooperative Snow Surveys
- University of Nevada, Desert Research Institute
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

### PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas and Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Truckee - Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.



UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

P.O. Box 4850  
RENO, NEVADA 89505

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID  
U. S. DEPARTMENT OF  
AGRICULTURE  
AGR-101



**FIRST CLASS MAIL**

**FEDERAL - STATE - PRIVATE  
COOPERATIVE SNOW SURVEYS**

Furnishes the basic data  
necessary for forecasting  
water supply for irrigation,  
domestic and municipal water  
supply, hydro-electric power  
generation, navigation,  
mining and industry

*"The Conservation of Water begins  
with the Snow Survey"*

USDA, NAT'L AGRICULTURAL LIB  
TIS/SEA/USDA, RM 002  
CURRENT SERIAL RECORD  
BELTSVILLE, MD

20705